

Serial No. 09/853,668
Amdt. dated April 16, 2009
Reply to Office Action of October 28, 2008

Docket No. P-0216

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for adjusting a brightness of a display screen of a display of a system, the method comprising:
 - determining whether a processor is being powered by an internal power source;
 - switching the system into a power conservation mode if the processor is being powered by an internal power source
 - determining whether there is a user signal input into the system;
 - switching the system into an IDLE mode if there is no user signal input;
 - determining whether at least one of certain display related processes is running when in the IDLE mode;
 - maintaining the brightness of the display screen and periodically checking whether at least one of the certain display related processes is running, if at least one of the certain display related processes is running;
 - checking processor usage if at least one of the certain display related processes is not running; and
 - adjusting the brightness of the display screen when in the IDLE mode based on processor usage without turning the display screen off, wherein the certain display related

Serial No. 09/853,668

Docket No. P-0216

Amdt. dated April 16, 2009

Reply to Office Action of October 28, 2008

processes are indicative of a user watching a video or program on the display screen, and wherein the certain display related processes include at least one of:

playing a CD-ROM;

playing a DVD;

playing a MPEG file; or

playing a video file.

2. (Previously Presented) The method according to claim 1, wherein checking processor usage comprises determining a content of a registry of an operating system of the system.

3. (Original) The method according to claim 2, wherein the registry comprises HKEY_DYN_DATA\PerfStats\StatData.

4. (Previously Presented) The method of claim 1, wherein checking processor usage comprises retrieving a keyword from an operating system that appears when a video file is read by the system.

5. (Previously Presented) The method according to claim 1, wherein checking processor usage comprises measuring a processor usage amount, and reducing the brightness of the display screen if the processor usage amount is below a threshold value.

6. (Previously Presented) The method according to claim 1, wherein checking processor usage comprises determining whether the display screen is displaying a movie.

7. (Previously Presented) The method according to claim 6, wherein determining whether the display screen is displaying a movie comprises determining whether a memory device connected to the processor is operating.

8. (Original) The method according to claim 7, wherein the memory device comprises a hard disk.

9. (Original) The method according to claim 7, wherein the memory device comprises a CD-ROM.

10. (Original) The method according to claim 7, wherein the memory device comprises a DVD.

11. (Previously Presented) The method according to claim 6, wherein the brightness of the display screen is reduced if the display screen is not displaying a movie.

12. (Previously Presented) The method according to claim 6, wherein the brightness of the display screen is maintained if the display screen is displaying a movie.

13. (Currently Amended) A method for reducing electrical power consumed by a processor controlled display screen, the method comprising:

checking display screen usage by determining whether a certain device related to screen operation is in use;

maintaining a brightness of the display screen if the certain device is in use, and checking the display usage by determining whether the certain device is in use after a predetermined delay; and

reducing the brightness of the display screen or turning the display screen off if the certain device is not in use, wherein the certain device includes at least one of:

a device for playing a CD-ROM;

a device for playing a DVD;

a device for playing a MPEG file; or

a device for playing a video file.

Serial No. 09/853,668

Docket No. P-0216

Amdt. dated April 16, 2009

Reply to Office Action of October 28, 2008

14. (Currently Amended) A computer-readable medium having stored thereon a sequence of computer executable instructions which, when executed by a processor, cause the processor to perform the steps of:

monitoring a system to determine whether at least one of certain display related processes is running;

maintaining a brightness of a display screen of a display and periodically checking whether at least one of the certain display related processes is running if at least one of the certain display related processes is running; and

reducing the brightness of the display screen if at least one of the certain display related processes is not running without turning the display screen off, wherein the certain display related processes include at least one of:

playing a CD-ROM;

playing a DVD;

playing a MPEG file; or

playing a video file.

15. (Original) The computer readable medium of claim 14, wherein the system is a computer.

16. (Original) The computer readable medium of claim 14, wherein the display is a liquid crystal display screen.

17. (Previously Presented) The computer readable medium of claim 14, further having stored thereon a sequence of instructions which, when executed by a processor, cause the processor to perform the step of monitoring for user input signals.

18. (Previously Presented) The computer readable medium of claim 14, further having stored thereon a sequence of instructions which, when executed by a processor, cause the processor to perform the step of determining whether the system is powered by an internal power source.

19. (Previously Presented) The computer-readable medium of claim 14, wherein the monitoring step comprises determining a processor usage amount, and comparing said processor usage amount against a reference amount.

20. (Original) The computer-readable medium of claim 19, wherein the reference amount is controllably variable.

Serial No. **09/853,668**

Docket No. **P-0216**

Amdt. dated April 16, 2009

Reply to Office Action of October 28, 2008

21. (Previously Presented) The computer-readable medium of claim 19, wherein determining a processor usage amount comprises determining information contained in a registry.

22. (Original) The computer-readable medium of claim 21, wherein the registry comprises HKEY_DYN_DATA\PerfStats\StatData.

23. (Previously Presented) The computer-readable medium of claim 14, wherein the monitoring comprises determining whether a video process related keyword is contained in a currently operating process.

24. (Previously Presented) The computer-readable medium of claim 14, wherein the monitoring comprises determining whether a video process related device is in use.

25. (Original) The computer-readable medium of claim 24, wherein the video process related device comprises a readable-and-writeable memory device.

26. (Original) The computer-readable medium of claim 24, wherein the video process related device comprises a read-only memory device.

27. (Original) The computer-readable medium of claim 25, wherein the read-only memory device comprises a CD-ROM.

28. (Original) The computer-readable medium of claim 25, wherein the read-only memory device comprises a DVD.

29. (Original) The computer-readable medium of claim 24, wherein the video process related device comprises a modem.

30. (Previously Presented) The computer-readable medium of claim 14, wherein the monitoring comprises:

determining a processor usage amount and comparing said processor usage amount against a reference amount;

determining whether a video process related keyword is contained in the currently operating process; and

determining whether a video process related device is in use.

31. (Currently Amended) An apparatus for reducing electrical power consumed by a processor controlled display screen, the apparatus comprising:

a processor comprising:

Serial No. 09/853,668

Docket No. P-0216

Amdt. dated April 16, 2009

Reply to Office Action of October 28, 2008

means for checking display screen usage by determining whether a certain device related to screen operation is in use;

means for maintaining a brightness of the display screen if the certain device is in use, and checking the display usage by determining whether the certain device is in use after a predetermined delay; and

means for reducing the brightness of the display screen or turning the display screen off if the certain device is not in use, wherein the certain device includes at least one of:

a device for playing a CD-ROM;

a device for playing a DVD;

a device for playing a MPEG file; or

a device for playing a video file.

32. (Currently Amended) An apparatus, comprising:

a processor comprising:

means for monitoring a system to determine whether at least one of certain display related processes is running;

Serial No. 09/853,668

Docket No. P-0216

Amdt. dated April 16, 2009

Reply to Office Action of October 28, 2008

means for maintaining a brightness of a display screen of a display and periodically checking whether at least one of the certain display related processes is running if at least one of the certain display related processes is running; and

means for reducing the brightness of the display screen if at least one of certain display related processes is not running without turning the display screen off, wherein the certain display related processes include at least one of:

playing a CD-ROM;

playing a DVD;

playing a MPEG file; or

playing a video file.

33. (Currently Amended) A method for adjusting a brightness of a display screen of a display of a system, the method comprising:

monitoring the system to determine whether at least one of certain display related processes is running;

maintaining the brightness of the display screen and periodically checking whether at least one of the certain display related processes is running if at least one of the certain display related processes is running; and

Serial No. 09/853,668

Docket No. P-0216

Amdt. dated April 16, 2009

Reply to Office Action of October 28, 2008

reducing the brightness of the display screen if at least one of the certain display related processes is not running without turning the display screen off, wherein the certain display related processes include at least one of:

playing a CD-ROM;

playing a DVD;

playing a MPEG file; or

playing a video file.

34. (Original) The method according to claim 33, wherein the system is a computer.
35. (Original) The method according to claim 33, wherein the display is a liquid crystal display screen.
36. (Original) The method according to claim 33, further comprising:
monitoring for user input signals.
37. (Original) The method according to claim 33, further comprising:
determining whether the system is powered by an internal power source.

38. (Previously Presented) The method according to claim 33, wherein the monitoring comprises determining a processor usage amount, and comparing said processor usage amount against a reference amount.

39. (Original) The method according to claim 38, wherein the reference amount is controllably variable.

40. (Previously Presented) The method according to claim 38, wherein determining a processor usage amount comprises determining information contained in a registry.

41. (Original) The method according to claim 40, wherein the registry comprises HKEY_DYN_DATA\PerfStats\StatData.

42. (Previously Presented) The method according to claim 33, wherein the monitoring comprises determining whether a video process related keyword is contained in the currently operating process.

43. (Previously Presented) The method according to claim 33, wherein the monitoring comprises determining whether a video process related device is in use.

44. (Original) The method according to claim 43, wherein the video process related device comprises a readable-and-writeable memory device.

45. (Original) The method according to claim 43, wherein the video process related device comprises a read-only memory device.

46. (Original) The method according to claim 45, wherein the read only memory device comprises a CD-ROM.

47. (Original) The method according to claim 45, wherein the read-only memory device comprises a DVD.

48. (Original) The method according to claim 43, wherein the video process related device comprises a modem.

49. (Previously Presented) The method of claim 33, wherein the monitoring comprises:

determining a processor usage amount and comparing said processor usage amount against a reference amount;

determining whether a video process related keyword is contained in the currently operating process; and

determining whether a video process related device is in use.

50. (Previously Presented) The method according to claim 1, wherein the display is a liquid crystal display screen.

51.-68. (Canceled).

69. (Previously Presented) The method according to claim 13, wherein the certain device comprises a memory device.

70. (Previously Presented) The method according to claim 13, wherein the certain device comprises a readable and writable device.

71. (Previously Presented) The apparatus according to claim 31, wherein the certain device comprises a memory device.

72. (Previously Presented) The apparatus according to claim 31, wherein the certain device comprises a readable and writable device.